Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**AS/A Biology Lab Report Self-Assessment Guide**

**Keep this self-assessment sheet in your lab notebook to help provide yourself feedback as you write lab reports this year.**

Instructions:

For each **check point**, award yourself:

2 points if you did it really well

1 points if you made a good attempt at it, and partly succeeded

0 points if you did not try to do it, or did not succeed.

**Introduction Section: EXPERIMENT PLANNING SELF-ASSESSMENT (only when designing own experiment)**

|  |  |
| --- | --- |
| **Check Point** | **Score** |
| You have stated the variable to be changed (independent variable), the range of this variable and how you will vary it. |  |
| You have stated at least 3 important variables to be kept constant (and not included ones that aren’t important). |  |
| You have stated the variable to be measured (dependent variable), how you will measure it and when you will measure it. |  |
| You have drawn up an outline results chart. |  |
| If a hypothesis is being tested, you have predicted what the results will be if the hypothesis is correct. |  |
| **Total (out of 10)** |  |

**Observations Section: CHARTS AND TABLES SELF-ASSESSMENT**

|  |  |
| --- | --- |
| **Check Point** | **Score** |
| You have drawn the chart with a ruler or in a computer data collection program. |  |
| Headings have the correct units in each column or row (there are no units inside the cells/boxes of the table). |  |
| Your chart is easy for someone else to read and understand. |  |
| If your chart contains numerical readings, all readings are to the same number of decimal places (for example 15.5, 9.0). |  |
| **Total (out of 8)** |  |

**Observations Section: DRAWINGS SELF-ASSESSMENT**

|  |  |
| --- | --- |
| **Check Point** | **Score** |
| You used a sharp pencil and rubbed out mistakes really thoroughly. |  |
| You have drawn single lines, not many tries at the same line. |  |
| You have shown the specimen the right shape, and with different parts in the correct proportions. |  |
| You have made a really large drawing, using the space provided. |  |
| You have included all the different structures that are visible on the specimen. |  |
| You have drawn label lines with a ruler, touching the structure being labelled. |  |
| You have written the labels horizontally and neatly, well away from the diagram itself. |  |
| *Take 1 mark off if you used any shading or colors.* |  |
| **Total (out of 14)** |  |

**Analysis Section: GRAPHS SELF-ASSESSMENT**

|  |  |
| --- | --- |
| **Check Point** | **Score** |
| You have drawn the axes with a ruler, and used most of the width and height of the graph paper for the axis labels. For computer-drawn graphs, the scale is adjusted to use the width and height of the graph box. |  |
| You have used a good scale for the x-axis and the y-axis, going up in 1s, 2s, 5s, 10s, or other appropriate scale. The graph is zeroed. |  |
| You have included the correct units with the scales on both axes. |  |
| You have plotted each point precisely and correctly. |  |
| You have used a small, neat cross or dot each point. |  |
| You have drawn a single, clear line – either by ruling a line between each pair of points, or drawing a well-positioned best-fit line. |  |
| You have ignored any anomalous results when drawing the line. |  |
| **Total (out of 14)** |  |

**Analysis Section: PROCESSING OBSERVATIONS & DATA SELF-ASSESSMENT**

|  |  |
| --- | --- |
| **Check Point** | **Score** |
| You have analyzed the results quantitatively. |  |
| You have made a claim or drawn a conclusion. |  |
| You have supported your claim or conclusion with quantitative data. |  |
| You have supported your claim or conclusion with qualitative data. |  |
| You have addressed any anomalous or inconsistent results, if applicable. |  |
| You have recognized and addressed possible sources of experimental error. |  |
| **Total (out of 12)** |  |

**Conclusion Section: EXPERIMENT EVALUATION SELF-ASSESSMENT**

|  |  |
| --- | --- |
| **Check Point** | **Score** |
| You have taken into account the factors that affect this investigation. |  |
| You have evaluated the implementation of your plan in an organized and efficient manner. |  |
| You have suggested necessary modifications to the plan, and carried them out if time allowed. |  |
| You have thoroughly addressed unexpected results. |  |
| You have described possible sources of error. |  |
| **Total (out of 10)** |  |